

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system ~~(1)~~ for metering and delivering a liquid medium, in particular for enteral nutrition in medical applications, including a storage container ~~(3)~~ having a certain volumetric capacity and a supply device ~~(4)~~ and a discharge device ~~(5)~~ for the medium, whereby the supply and discharge of the medium into and out of the storage container ~~(3)~~ is effected by the force of gravity, ~~characterized by:~~ said system further including a detecting device ~~(6, 7)~~ for determining at least a lower and at least an upper filling level ~~(8, 9)~~ of the medium in the storage container ~~(3)~~ and for outputting appropriate detection signals, and controllable actuating means ~~(10, 11)~~ for closing or opening the supply device ~~(4)~~ or the discharge device ~~(5)~~, respectively, said detection signals output from the detecting device ~~(6, 7)~~ are supplied to a control unit ~~ST~~ for supplying setting signals to the controllable actuating organs ~~(10, 11)~~ according responsive to a given program sequence in dependence on the detection signals.

2. (Currently Amended) The system according to claim 1, ~~characterized in that~~ the wherein said detecting device comprises at least one pair of diode measuring units ~~(6, 7)~~ spaced from each other in the direction of the gravitational force in correspondence with the upper and lower filling level.

3. (Currently Amended) The system according to claim 2, ~~characterized in that~~ the wherein said diode measuring device ~~(6)~~ associated with the upper filling level is arranged in such a manner as to prevent scanning of the inflowing medium stream.

4. (Currently Amended) The system according to ~~any of the claims 1 to 3~~claim 1,
~~characterized in that~~wherein each said controllable actuating organ (~~10, 11~~) is movable into the
closed or open position by a solenoid or a stepping motor.

5. (Currently Amended) The system according to ~~any of the claims 1 to 4~~claim 1,
~~characterized in that~~further including position detecting means ~~are provided in order to detect for~~
detecting the position of the controllable actuating organs (~~10, 11~~).

6. (Currently Amended) The system according to ~~any of the claims 1 to 5~~claim 1,
~~characterized in that the~~wherein said storage container (~~3~~) is provided with a ventilating device
(~~17~~).

7. (Currently Amended) The system according to ~~any of the preceding claims~~claim 1,
~~characterized in that the~~wherein said control unit ST is integrated into the system.

8. (Currently Amended) The system according to ~~any of the claims 1 to 6~~claim 1,
~~characterized in that the~~wherein said detection signals output from the detecting device (~~6, 7~~) and
the setting signals for the controllable actuating organs (~~10, 11~~) are applicable to an interface for
connection to an external control unit.